



Page 1 of 12

## **TEST REPORT**

Applicant: Address:

STEKT

Flashbay Electronics Building2 ,Jixun Industrial Park ,Xinjiao ,Dong'ao Village ,Shatian Town ,Huiyang District ,Huizhou City , Guangdong Province,P.R.China

#### The following sample(s) was/were submitted and identified on behalf of the client as:

Sample name: Model: Manufacturer&Factory: Address: Wireless Chargers Edge/ED Flashbay Electronics Building2 ,Jixun Industrial Park ,Xinjiao ,Dong'ao Village ,Shatian Town ,Huiyang District ,Huizhou City , Guangdong Province,P.R.China

Sample No.: Sample Received Date: Testing Period:

S241022030033 2024-10-24 2024-10-24~ 2024-11-30



Conclusion

Pass

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As specified by client, to determine the Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs), Bis-(2-ethylhexyl) Phthalate (DEHP), Benzyl butyl Phthalate (BBP), Dibutyl Phthalate (DBP) and Diisobutyl Phthalate(DIBP)contents in the submitted sample(s) in accordance with RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

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Test Result(s): Please refer to the following page(s);

Test Method: Please refer to the following page(s);

Nina.Cor May Li

Reviewed by:

Luetta Mo

Approved by:

Compiled by:

Date:

2025-01-06



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#### Sample Description:

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Hills	No.	Sample name	Description		
FIL	1		White plastic label with lettering (with glue) of shell		
4	2		Black plastic sheet with glue of shell		
	3		Black foam of shell		
	4		Silver metal of shell		
	5		Gray rubber pad of shell		
	6		Silver metal screw of shell		
- Hill	7	1 Jun	Silver metal shell of Type-C interface		
	8	Mobile Power Bank	Black plastic of Type-C interface		
	9		Metal plug pin of Type-C interface		
ALC: N	10		Green PCB		
	11		Magnet core of PCB		
	12		White cotton thread of PCB		
	13		Core of wire of PCB		
	14		Yellow transparent adhesive tape of PCB		
	15	- A	Red capacitor of PCB		
	16	at	Tin solder of PCB		
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Test Result(s):

### Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers(PBDEs)

	Bipnenyis	(PBBS), P	olyprominated	d Diphenyl Ethers(P	-	
	Part No.	Те	st Items	XRF Screening Result(mg/kg)	Chemical Test	Conclusion
			Pb	BL	Result(mg/kg)	
TELT					/	-
			Cd	BL	/	_
	1		Hg	BL	/	Pass
	>	Cr	Cr(VI)	BL	1	_
X		Br	PBBs	BL	/	_
			PBDEs		/	
			Pb	BL	/	-
			Cd	BL	/	at a
	2		Hg	BL	/	- Pass
	2	Cr	Cr(VI)	BL		1 033 🔹
		Br	PBBs	BL		
		DI	PBDEs	DL	/	
EK Yil	>		Pb	BL	/	
A Ju			Cd	BL	/	-
			Hg	BL	/	
	3	Cr	Cr(VI)	BL	/	Pass
			PBBs			
		Br	PBDEs	BL		
			Pb ®	BL		
			Cd 🔊	BL	/	_
			Hg	BL	/	_
	4	Cr	Cr(VI)	BL	/	Pass
A Sec			PBBs		/	_
EK Trill		Br		/		
			PBDEs		/	
			Pb	BL	1	-
			Cd	BL	/	- AT
	5		Hg	BL	/	Pass
		Cr	Cr(VI)	BL		_
		Br	PBBs	BL	/	_
	>		PBDEs		/	
EXTIN			Pb	BL	/	
			Cd	BL	/	
	6		Hg	BL	/	Booo
	Ö	Cr	Cr(VI)	IN	N.D.	Pass
			PBBs	1	<u> </u>	J. J.
		Br	PBDEs	/		
	L	1				<u></u>



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	NTE	また。		ATTER TIM	ANTEK 3	
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WIEL THE	7	Pb Cd Hg Cr Cr(VI)	BL BL BL IN	/ / / / / / N.D.	Pass	
		Br PBBs PBDEs Pb	/ BL		- ANTER NO	
		Cd 🔬	BL	/		
	0	Hg 🔎	BL	/	Deee	
	8	Cr Cr(VI)	BL	/	– Pass	
WILLIN		Br PBBs PBDEs	BL	/ /		
		Pb	BL	/		
		Cd	BL	/	- wrettin	
	0	Hg	BL	/	Pass	
	9	Cr Cr(VI)	BL		Pass	
		PBBs	,			
		Br PBDEs	/	/		
		Pb	BL	/		
AN		Cd	BL	/	_	
WIELT		Hg	BL	/		
	10	Cr Cr(VI)	BL	/	– Pass	
		_ PBBs		•		
		Br PBDEs	— IN	N.D.		
		Pb	BL	/		
			Cd		/	_
					_	
	11	Hg	BL	1	Pass	
at 3		Cr Cr(VI)	BL		_	
N'EL H		Br PBBs	— /			
		PBDEs		/		
		Pb	BL	1		
		Cd	BL	/		
	12	Hg	BL		Pass	
			BL		_	
ANTER THE		Br PBBs PBDEs	– BL			
at		Pb	BL	/		
L'IV		Cd	BL	/		
*	13	Hg	BL	/	Pass 🔊	
	10	Cr Cr(VI)	BL	<sub>@</sub> /	- Pass	
		Br PBBs	_ /			
		PBDEs	/			





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	Report No.: S24102203032001				A.C.	Page 5 of 12
			Pb	BL	/	
NTEX TI		Cd		BL	/	
- Et	14		Hg	BL	/	Pass
4	14	Cr	Cr(VI)	BL	/	F d 5 5
		Br	PBBs	BL	/	- A Sin
-			PBDEs			
			Pb	BL	1	
			Cd	BL	1	
	15		Hg	BL	/	Pass
		Cr	Cr(VI)	BL	/	
A No.		Br	PBBs	BL	/	
WTEK TI		DI	PBDEs	BDEs	/	
			Pb BL		/	Å
			Cd	BL	/	at a
	40		Hg	BL	/	Pass
	16 C	Cr	Cr(VI)	BL	at I	Pass
		Br	PBBs	1		
•		PBDEs	7	/		
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#### Bis-(2-ethylhexyl) Phthalate (DEHP), Benzyl butyl Phthalate (BBP), Dibutyl Phthalate (DBP) and Diisobutyl Phthalate(DIBP) x

	Test Home		Result(mg/kg)	
WTEX TIM	Test Items	1+2	3	5
	Bis-(2-ethylhexyl) Phthalate (DEHP)	N.D.	N.D.	N.D.
	Benzyl butyl Phthalate (BBP)	N.D.	N.D.	N.D.
	Dibutyl Phthalate (DBP)	N.D.	N.D.	N.D.
	Diisobutyl Phthalate(DIBP)	N.D.	N.D.	N.D.
	Conclusion	Pass	Pass	Pass
			Kit	~

ANTEL TU	Test Itoms	Result(mg/kg)			
	Test Items	8+15	10	12	14
	Bis-(2-ethylhexyl) Phthalate (DEHP)	N.D.	N.D.	N.D.	N.D.
	Benzyl butyl Phthalate (BBP)	N.D.	N.D.	N.D.	N.D.
	Dibutyl Phthalate (DBP)	N.D.	N.D.	N.D.	N.D.
	Diisobutyl Phthalate(DIBP)	N.D.	N.D.	N.D.	N.D.
	Conclusion	Pass	Pass 🦽	Pass	Pass

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- Note:
- 1.N.D. = Not Detected (<MDL)

MDL = Method Detection Limit

1mg/kg = 1ppm =0.0001%

/=Not Regulated or Not Applicable

2. BL = Below the XRF screening limit

WTEX TIM

NTEK TEN

IN = Further chemical test will be conducted when the screening result inconclusive

- OL = Further chemical test will be conducted while the result is above the screening limit.
- 3. For metal samples, the sample is negative for Cr(VI), if the Cr(VI) concentration is less than 0.10 µg/cm<sup>2</sup>, the coating is considered a non- Cr(VI) based coating;

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The sample is positive for Cr(VI), if the Cr(VI) concentration is greater than 0.13  $\mu$ g/cm<sup>2</sup>, The sample coating is considered to contain Cr(VI);

The result is considered to be inconclusive, the Cr(VI) concentration is between the  $0.10 \ \mu g/cm^2$  and  $0.13 \ \mu g/cm^2$ , unavoidable coating variations may influence the determination. Because the storage condition and production date of the sample are not known, the test results of the sample of hexavalent chromium can only represent the state of hexavalent chromium in the samples tested.

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#### Remark:

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k: 1. When conducting the test for PBBs&PBDEs, XRF was introduced to screen Br Exclusively; When conducting the test for Hexavalent Chromium, XRF was introduced to screen Chromium exclusively.





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#### **Test Method:**

1. With reference to IEC 62321-1: 2013 Ed.1.0, IEC 62321-2:2021 Ed.2.0, IEC 62321-3-1:2013 Ed.1.0. XRF screening limits in mg/kg for regulated elements in various matrices.

		5 5 5		
4.	Floment	Limit	of IEC 62321-3-1:2013 Ed.1.0	(mg/kg)
	Element	Polymers	Metals	Composite material
	Pb	BL≤(700-3σ) <Χ	BL≤(700-3σ) <x< th=""><th>BL≤(500-3σ)&lt;Χ</th></x<>	BL≤(500-3σ)<Χ
	FU	<(1300+3σ)≤OL	<(1300+3σ)≤OL	<(1500+3σ)≤OL
ATTER HIM	Cd	BL≤(70-3σ) <x <<="" td=""><td>BL≤(70-3σ)<x <<="" td=""><td>LOD <x<(150+3σ)< td=""></x<(150+3σ)<></td></x></td></x>	BL≤(70-3σ) <x <<="" td=""><td>LOD <x<(150+3σ)< td=""></x<(150+3σ)<></td></x>	LOD <x<(150+3σ)< td=""></x<(150+3σ)<>
		(130+3σ) ≤OL	(130+3σ) ≤OL	≤OL
	Hg	BL≤(700-3σ)<Χ	BL≤(700-3σ)<Χ	BL≤(500-3σ)<Χ
		<(1300+3σ)≤OL	<(1300+3σ)≤OL	<(1500+3σ)≤OL
STF.	Cr	BL≤(700-3σ)< X	BL≤(700-3σ)< X	BL≤(500-3σ)< X
	Br	BL≤(300-3σ)< X	/	BL≤(250-3σ)< X
			A STAND	M'EL.

Note:

BL= Below the XRF screening limit

OL=Over the XRF screening limit

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X=The symbol"X"marks the region where further investigation is necessary.

 $3\sigma$  =The reproducibility of analytical instruments



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LOD= Detection limit



2. Chemical Test

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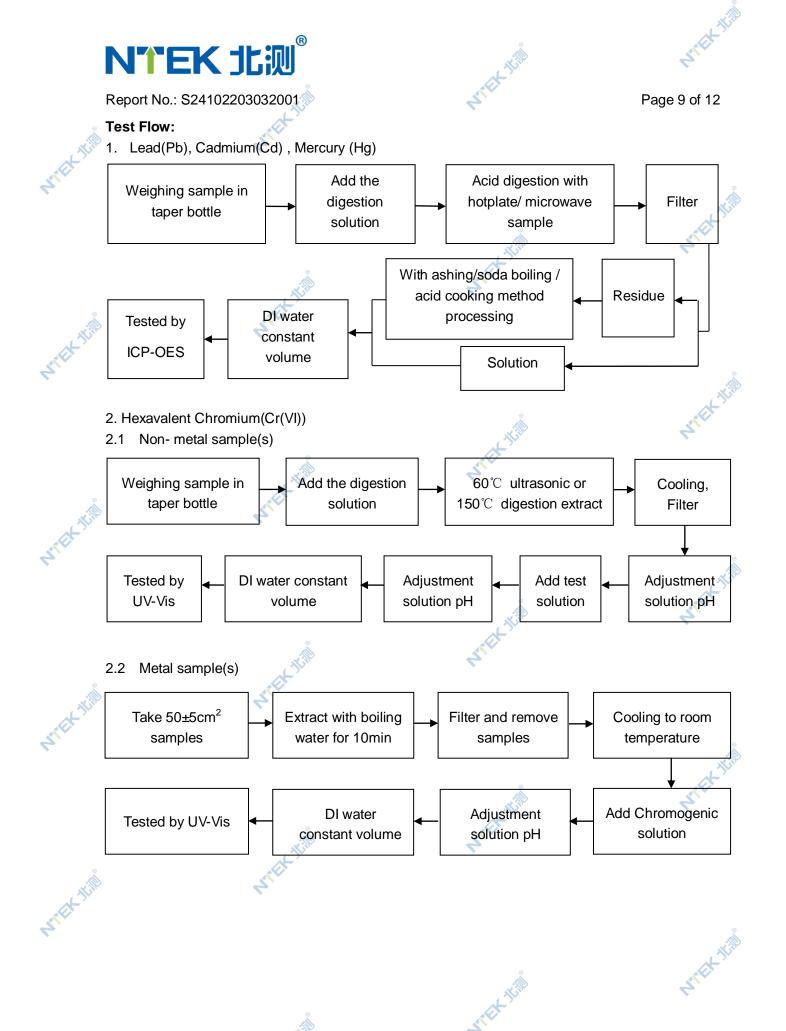
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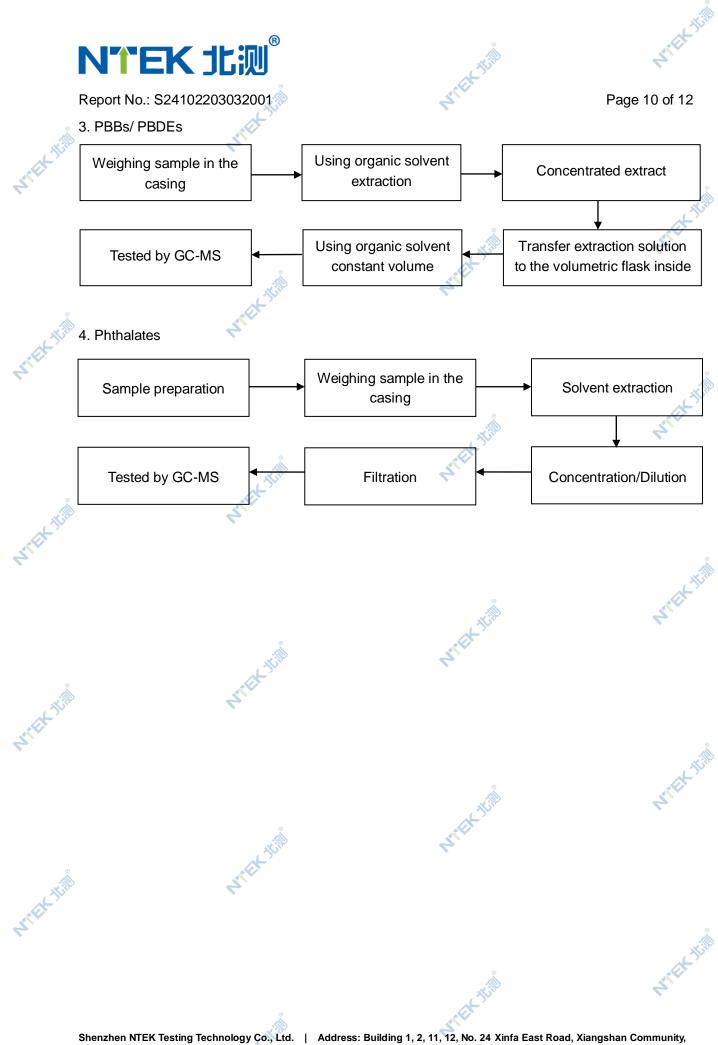
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TEK Trill	Test item	item Test method		MDL	Limit△	
4,	Lead (Pb)	IEC 62321-5:2013 Ed.1.0	ICP-OES	2 mg/kg	1000 mg/kg	
	Cadmium (Cd)	IEC 62321-5:2013 Ed.1.0	ICP-OES	2 mg/kg	100 mg/kg	
	Mercury (Hg)	IEC 62321-4:2013+AMD1:2017	ICP-OES	2 mg/kg	1000 mg/kg	
	Hexavalent	IEC 62321-7-1:2015 Ed.1.0	UV-Vis	0.10 µg/cm <sup>2</sup>	1000 mg/kg	
	Chromium(Cr(VI))	IEC 62321-7-2:2017 Ed.1.0		8 mg/kg	1000 mg/kg	
	Polybrominated Biphenyls(PBBs)	EC 62321-6:2015 Ed.1.0	GC-MS	5 mg/kg	1000 mg/kg	
WIELT	Polybrominated, Diphenyl IEC 62321-6:2015 Ed.1.0 Ethers(PBDEs)		GC-MS	5 mg/kg	1000 mg/kg	
	Bis-(2-ethylhexyl) Phthalate (DEHP)	IEC 62321-8:2017 Ed.1.0	GC-MS	30 mg/kg	1000 mg/kg	
	Benzyl butyl Phthalate (BBP)	IEC 62321-8:2017 Ed.1.0	GC-MS	30 mg/kg	1000 mg/kg	
WTEX TIN	Dibutyl Phthalate (DBP)	EC 62321-8:2017 Ed.1.0	GC-MS	30 mg/kg	1000 mg/kg	
	Diisobutyl Phthalate (DIBP)		GC-MS	30 mg/kg	1000 mg/kg	
	<sup>A</sup> The limit is quoted from RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.					
			AT THE		ANTE:	

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Shenzhen NTEK Testing Technology Co., Ltd. | Address: Building 1, 2, 11, 12, No. 24 Xinfa East Road, Xiangshan Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, China | Tel: +86-0755-2320 0050 | http://www.ntek.org.cn Complaint Tel: +86-0755-23218370 | Complaint E-mail: complaint @ntek.org.cn

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Sample photo(s):





Fig.2 (Finished photo)

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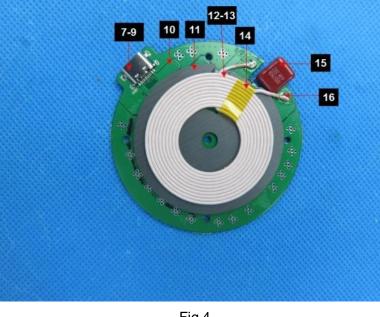
ANTEK-IVI

NTEK TE





Fig.3





#### \*\*\*\*End of Report\*\*\*\*

The test results or data in this report will be used only for education, scientific research, enterprise product development and internal quality control or other purposes.

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